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JX-24264

11 July 1961

MEMORANDUM FOR: Chief, TSD/Eng. Branch

SUBJECT: Mobile Surveillance Command Unit

1. We are in receipt of a report giving preliminary observations of the customer on the new Mobile Surveillance Command Unit. These comments are passed on for your information.

A. The rear observation slit is very inconvenient to use and offers a very limited field of view.

B. The forward observation slit is likewise restricted. It is believed that both slits will be modified but no details are given in the report.

C. The cooling system and the ice making machine are rated as excellent. The report does not however give any details as to the severity of conditions (temperature, sun load, length of time of operation, number of persons in the van, etc.) under which they made their appraisal.

D. The Infrared system is considered useless. The following objections are reported:

- (1) Equipment is stiff in train
- (2) Equipment is slow in elevation
- (3) Field of view is small
- (4) Picture is tiny
- (5) Resolution is too poor to allow identification
- (6) Periscope looks like a chimney and would probably attract enough attention as to make the vehicle useless.

2. Any further information received on this subject will be passed on to you.

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SPARE PARTS

TUBES

1 set transmitting & receiving tubes
 2 OVERHEAD LIGHT ~~2~~ BULB No. 1073
 2 DESK LIGHT BULB No 1073

LAMPS

(8)

INSTRUMENT PANEL NO. TS 53
 PUMP PILOT " " "
 BLOWER PILOT " " "
 RADIO PILOT " " "
 TRANSMITTER PILOT " " "
 I. R. PILOT " " "
 1 I. R. SPOT No GE 4404

FUSES

10	10 DAMPER MOTOR	2 amp
10	10 BLOWER MOTOR	10 "
10	PUMP MOTOR	10 "
10	MAIN FUSE	60 "
10	POWER CONVERTOR	15 "
10	TRANSCEIVER	1 "
10	I. R.	4 "

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- 2 Hose Bib - See tank drain - & flow (2) (2) OK
- EXTRA HOSE CLAMPS, (4) (PUMP) 1/2 long nylon, 1/4 long rubber, 1/4
- 2 FRO. BELT FOR ENGINE (2) OK
- ~~EXTRA HOSE CLAMPS (4) (PUMP) 1/2 long nylon, 1/4 long rubber, 1/4~~
- 2 Blower motors OK
- 2 Pump motor OK
- 2 Fibre Coupling (PUMP) OK 2 ea
- 1 set Tools socket & allen wrenches (1) OK
- 2 air filters OK (2)
- 1 3/4" Bottle Brush OK (1)
- 1 DENTAL MIRROR OK (1)
- 1 SET POINTS, PLUGS, CONDENSER OK
- 8 EXTRA VW FUSES (8) OK
- 1 Relay for alternator (1) OK
- 2 Converter TRANSISTORS 2N442 (2) OK
- 1 Pump (1) OK
- 1 TRIPLET METER (1) OK
- SPARE PARTS I.R.)
- THRUST WASHERS
- SNAP RINGS
- 2 O-RINGS (2) OK